BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

1ST AND FINAL BILL

Name of work: Improvements to Roads and Drains at Badrappa Layout and Surrounding area in Ward No. 08, Kodigehalli.

Estimated Cost : Rs. 30.00 Lakhs

Job Code : 008-18-000076

Head of Account : P-1771

Name of Agency: Sri Sambashiva Reddy. C

Work order No: BBMP/EE/BTP/WO/181/2019-20 Date: 27.12.2019.

Measurements Recarded on :

Sl No.	Description	No.	L	B1	B2	AV. B	D	Qty	Rate / Unit	Amount
1	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 1 is							**346.50**	78.87	**27328.00**
2	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								Cum	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 2 is							**57.75**	4681.81	**270375.00**
3	Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications								Cum	
	RCC Drain Bottom Concrete									
	2nd Main Badarappa Layout from 5th Cross to 6th Cross N/S	1	31.00			1.00	0.15	4.65		
	2nd Main Badarappa Layout from 6th Cross to 7th Cross N/S	1	19.00			1.00	0.15	2.85		
	6th Cross E/S	1	30.00			1.00	0.15	4.50		
		1	28.30			1.00	0.15	4.25		
	6th Cross W/S	1	30.00			1.00	0.15	4.50		
		1	28.30			1.00	0.15	4.25		
	7th Cross E/S	1	30.00			1.00	0.15	4.50		
		1	26.00			1.00	0.15	3.90		
	Balaji Layout kalpitha Aprtment backside E/S	1	30.00			1.10	0.15	4.95		
		1	30.00			1.10	0.15	4.95		
		1	30.00			1.10	0.15	4.95		
		1	22.00			1.10	0.15	3.63		
	Cross Road	1	30.00			1.00	0.15	4.50		
		1	12.00			1.00	0.15	1.80		
	Side Wall									
	2nd Main Badarappa Layout from 5th Cross to 6th Cross N/S	2	31.00			0.15	0.60	5.58		
	2nd Main Badarappa Layout from 6th Cross to 7th Cross N/S	2	19.00			0.15	0.60	3.42		

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Sl No.	Description	No.	L	B1	B2	AV. B	D	Qty	Rate / Unit	Amount
	6th Cross E/S	2	30.00			0.15	0.60	5.40		
		2	28.30			0.15	0.75	6.37		
	6th Cross W/S	2	30.00			0.15	0.60	5.40		
		2	28.30			0.15	0.75	6.37		
	7th Cross E/S	2	30.00			0.15	0.60	5.40		
		2	26.00			0.15	0.75	5.85		
	Balaji Layout kalpitha Aprtment backside E/S	2	30.00			0.15	0.75	6.75		
		2	30.00			0.15	0.75	6.75		
		2	30.00			0.15	0.75	6.75		
		2	22.00			0.15	0.75	4.95		
	Cross Road	2	30.00			0.15	0.75	6.75		
		2	12.00			0.15	0.75	2.70		
								Total Qty =	**136.61**	
								Qty Limited to =	**136.50**	5890.58	**804064.00**
4	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500								Tonne	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 3 is =							**8.19**	58300.90	**477484.00**
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications								Sqm	
	Qty as per Premeasurement Recorded vide E-Bill Page No. 4 is =							**1050.00**	281.85	**295943.00**
6	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete								Cum	
	2nd Main Badarappa Layout from 5th Cross to 6th Cross N/S	1	31.00			0.90		27.90		
	2nd Main Badarappa Layout from 6th Cross to 7th Cross N/S	1	19.00			0.90		17.10		
	7th Cross E/S	1	30.00			0.90		27.00		
	6th Cross W/S	1	30.00			0.90		27.00		
	6th Cross E/S	1	25.00			0.90		22.50		
		1	10.00			0.90		9.00		
		1	8.00			0.90		7.20		
			153.00							
								Total Qty =	**137.70**	
								Qty Limited to =	**135.00**	749.35	**101162.00**
7	Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded)								M	
		255	3.00					765.00		
								Total Qty =	**765.00**	
								Qty Limited to =	**750.00**	33.66	**25245.00**
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete								Nos	
	Kerb Stone									
	Balaji Layout kalpitha Aprtment backside E/S	1	30.00				/0.45	67		
		1	30.00				/0.45	67		
		1	30.00				/0.45	67		
		1	22.00				/0.45	49		
	Cross Road	1	30.00				/0.45	67		
		1	12.00				/0.45	27		

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Sl No.	Description	No.	L	B1	B2	AV. B	D	Qty	Rate / Unit	Amount
	2nd Main Badarappa Layout from 5th Cross to 6th Cross N/S	1	31.00				/0.45	69		
	2nd Main Badarappa Layout from 6th Cross to 7th Cross N/S	1	19.00				/0.45	42		
	6th Cross both Sides	2	30.00				/0.45	133		
		2	28.30				/0.45	126		
	7th Cross E/S	1	30.00				/0.45	67		
							Total Qty =	779		
							Qty Limited to =	778	301.09	234248.00
9	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications								Sqm	
	Kerb Stone Painting									
	Balaji Layout kalpitha Aprtment backside E/S	1	30.00				0.45	13.50		
		1	30.00				0.45	13.50		
		1	30.00				0.45	13.50		
		1	22.00				0.45	9.90		
	Cross Road	1	30.00				0.45	13.50		
		1	12.00				0.45	5.40		
	2nd Main Badarappa Layout from 5th Cross to 6th Cross N/S	1	31.00				0.45	13.95		
	2nd Main Badarappa Layout from 6th Cross to 7th Cross N/S	1	19.00				0.45	8.55		
	6th Cross both Sides	2	30.00				0.45	27.00		
		2	28.30				0.45	25.47		
	7th Cross E/S	1	30.00				0.45	13.50		
							Total Qty =	157.77		
							Qty Limited to =	157.50	25.01	3939.00
10	Providing and applying floor painting with ready mix paint in two coats (exluding priming coat) on new concrete / asbestos cement sheet / plastered surfaces brushing to give an even shade after preparing the surface after throughly cleaning oil, dirt, dust other foreign matter and sand papering including cost of materials, labour, complete as per specifications								Cum	
			Qty Vide Item No. 9					157.50		
							Total Qty =	157.50	48.09	7574.00
11	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications.								Cum	
			Qty Vide Item No. 1					346.50		
							Total Qty =	346.50	96.19	33330.00
	EIRL									
E1	Providing precast slab of 100mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per specification and direction of engineer in charge - (Data rate Approved).								Cum	
	Covering Slab									
	Badarappa Layout 6th Cross E/S	1	28.30			0.75		21.23		
	6th Cross W/S	1	28.30			0.75		21.23		
	7th Cross E/S	1	14.50			0.75		10.88		
		1	20.00			0.75		15.00		
	Balaji Layout kalpitha Aprtment backside E/S	1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	30.00			0.75		22.50		
		1	22.00			0.75		16.50		
	Cross Road	1	30.00			0.75		22.50		
		1	12.00			0.75		9.00		
							Total Qty =	183.83		
							Qty Limited to =	183.60	2120.83	389384.00
	Total								Total	2670076.00

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